Brookhaven Na	Number:	Revision:						
National Synchro	LS-PPS-0019	A						
		Effective:	Page 1 of 2					
		4/25/02						
Subject: X21A3 Laser Interlock Test Procedure								
Prepared/ S. Buda Approved By:	Prepared/ M. Buckley Approved By:	Revision/Periodic Review Log						

	,	*Origin	al Document contains	approved signat
Test Date:	Test Result:	□ Passed	□ Failed	
Test Reason:		Test Type:	□ Full	□ Partia
Γester 1:		Assistant 1:		
Tester 2:	1 i vomo a da l	Assistant 2:		
Prepare for test by	applying LOTO to the laser	source in the U6	hutch.	_
1. Press the start search	ch button located in the hutch	ch.		
	The light on the	button box illumir	nates.	_
Exit the hutch and	close the hutch door.			
	The "complete s	earch" light illumi	nates	_
Press the complete	search button located on the	e laser control box	-	
	The "hutch ready	y" light illuminate:	S.	_
2. Press Start Search.	Exit hutch and close door.			
	The "complete s	earch" light illumi	nates	
	The "hutch ready	y" light <u>does not</u> il	luminate.	_
Attempt to open las	ser shutter.			
	Laser shutter do	es not open.		
B. Open the laser shut	ter			
	The Open light i opens.	lluminates when the	ne shutter	_
4. Open the main doo	r to the hutch.			
	The shutter close	es		
	The laser power	fault light is out.		_
	2			

X21A3 Laser Interlock Test Procedure										
Nui	nber:	LS-PPS-0019	Revision:	A	Effective:	4/25/02		J	Page 2 of 2	
5.	5. Place a holder on the main door switch, secure the hutch, and press the manual air solenoid actuator. Place the shutter control switch to the open position									
	The shutter is open.									
	Confirm the U6 laser interlock is satisfied.									
	Have the assistant remove the door switch holder. There is no more than a 3 second delay before the laser power fault light illuminates.									
			Obser back)	ve laser	nains open interlock at Laser trips	U6 drop	`			
6.	Release the solenoid button. Reset the laser power fault. Place switch holders (4) on the laser door switches. Search the hutch and open the shutter. Remove a holder from the door switch			t.		I	Door			
							1	2	3	4
			The in	nterlock o	drops out					
			The sl	hutter clo	oses.					
	Repeat	for the remaining	three door	switches	S.					
7.		e all holders from for a distinct click		oor swite	ches and tes	st each				
8.	Remove	e the red tag from	the laser se	ource at	U6 and retu	ırn to nor	mal ope	eration	1.	

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